

WHAT IS CLAIMED IS:

1. A method of manufacturing polymer resin particles for use in a toner by:

dispersing fine wax particles less soluble to an  
5 organic solvent by using a polymeric dispersant into the organic solvent, dissolving one or more of monomers for forming a polymer less soluble to the organic solvent; and

proceeding a polymerizing reaction of the monomers while depositing fine polymer particles on a surface of the  
10 fine wax particle upon deposition of the polymer in the organic solvent in an initial stage of the polymerizing reaction of the monomer, thereby forming polymer resin particles for use in the toner incorporating fine wax particles therein; wherein

15 a wax ingredient forming the fine wax particles is selected such that a surface potential of the fine wax particles dispersed in the organic solvent shows a polarity opposite to a surface potential of the fine polymer particle.

20 2. A method of manufacturing polymer resin particles for use in a toner according to claim 1, wherein the fine wax particles comprises a wax ingredient having at least one functional group selected from the group consisting of hydroxyl group, carboxyl group, carbonyl group, ether group,  
25 phenyl group, phosphate group and sulfonate group.

3. A method of manufacturing polymer resin particles for

use in a toner according to claim 1, wherein a colorant is incorporated in the fine wax particle.

4. A method of manufacturing polymer resin particles for use in a toner according to claim 1, wherein the monomer is a styrenic monomer or acrylic monomer.

5. A method of manufacturing polymer resin particles for use in a toner according to claim 1, wherein the polymer resin particle for use in the toner is a substantially spherical particle.

6. A method of manufacturing polymer resin particles for use in a toner according to claim 1, wherein the average particle size of the fine wax particle is 1  $\mu\text{m}$  or less.

7. A method of manufacturing polymer resin particles for use in a toner according to claim 1, wherein a plurality of fine wax particles are incorporated in the polymer resin particle for use in the toner.

8. A method of manufacturing polymer resin particles for use in a toner according to claim 2, wherein a colorant is incorporated in the fine wax particle.

9. A method of manufacturing polymer resin particles for use in a toner according to claim 2, wherein the monomer is a

styrenic monomer or acrylic monomer.

10. A method of manufacturing polymer resin particles for use in a toner according to claim 2, wherein the polymer  
5 resin particle for use in the toner is a substantially spherical particle.

11. A method of manufacturing polymer resin particles for use in a toner according to claim 2, wherein the average  
10 particle size of the fine wax particle is 1  $\mu\text{m}$  or less.

12. A method of manufacturing polymer resin particles for use in a toner according to claim 2, wherein a plurality of fine wax particles are incorporated in the polymer resin  
15 particle for use in the toner.

13. A method of manufacturing polymer resin particles for use in a toner according to claim 3, wherein the monomer is a styrenic monomer or acrylic monomer.  
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14. A method of manufacturing polymer resin particles for use in a toner according to claim 3, wherein the polymer resin particle for use in the toner is a substantially spherical particle.  
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15. A method of manufacturing polymer resin particles for use in a toner according to claim 3, wherein the average

particle size of the fine wax particle is 1  $\mu\text{m}$  or less.

16. A method of manufacturing polymer resin particles for use in a toner according to claim 3, wherein a plurality of  
5 fine wax particles are incorporated in the polymer resin particle for use in the toner.

17. A method of manufacturing polymer resin particles for use in a toner according to claim 4, wherein the polymer  
10 resin particle for use in the toner is a substantially spherical particle.

18. A method of manufacturing polymer resin particles for use in a toner according to claim 4, wherein the average  
15 particle size of the fine wax particle is 1  $\mu\text{m}$  or less.

19. A method of manufacturing polymer resin particles for use in a toner according to claim 4, wherein a plurality of fine wax particles are incorporated in the polymer resin  
20 particle for use in the toner.

20. A method of manufacturing polymer resin particles for use in a toner according to claim 5, wherein the average particle size of the fine wax particle is 1  $\mu\text{m}$  or less.  
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21. A method of manufacturing polymer resin particles for use in a toner according to claim 5, wherein a plurality of

fine wax particles are incorporated in the polymer resin particle for use in the toner.

22. A method of manufacturing polymer resin particles for  
5 use in a toner according to claim 6, wherein a plurality of fine wax particles are incorporated in the polymer resin particle for use in the toner.